	Application No.	Applicant(s)	
Notice of Allowability	10/052,951	,951 NULMAN ET AL.	
	Examiner	Art Unit	
	Rodney G. McDonald	1753	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to <u>Amendment field 11-24-03</u> .			
2. The allowed claim(s) is/are <u>41-45 and 47-73</u> .			
3. The drawings filed on 11 June 2002 are accepted by the Examiner.			
4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS EROM THE "MAILING DATE"	e been received. e been received in Application No cuments have been received in this	national stage applica	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.			
5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.			
6. CORRECTED DRAWINGS ( as "replacement sheets") mus  (a) including changes required by the Notice of Draftspers  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Paper No./Mail Date  Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	son's Patent Drawing Review (PTO s Amendment / Comment or in the C .84(c)) should be written on the drawir he header according to 37 CFR 1.121(c	Office action of ngs in the front (not the	
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal P 6. ☐ Interview Summary Paper No./Mail Dat 7. ☒ Examiner's Amenda 8. ☒ Examiner's Stateme 9. ☐ Other	(PTO-413), e nent/Comment	owance

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## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Konrad on April 14, 2004.

The application has been amended as follows:

Claim 47, line 1, change "46" to "41".

The following is an examiner's statement of reasons for allowance:

Claims 41-45 and 47-59 are allowable over the prior art of record because the prior art of record does not teach the apparatus as claimed including a capacitor; and a sputterable coil insulatively carried by the shield wall and having a first end coupled to the signal source and a second end coupled to the capacitor, wherein the coil substantially encircles the plasma generation area and is positioned to couple energy inductively into the plasma generation area and positioned adjacent to the substrate support member to sputter material from the coil onto the substrate; further including a first power supply coupled to the first target and wherein the source includes a second power supply coupled to the coil.

Claims 60-73 are allowable over the prior art of record because the prior art of record does not teach a method of depositing material on a workpiece in a sputter deposition chamber, comprising sputtering target material onto said workpiece from a

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coil having a first end coupled to a signal source and a second end coupled to ground, said coil being insulatively carried by a shield wall substantially encircling a plasma generation area and positioned adjacent to and at least partially encircling said workpiece; and inductively coupling energy from said coil into said plasma generation area.

Parent Applications 08/851,946, 08/680,335, 08/644,096 and 08/647,184 have been reviewed and references therein have been checked.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rodney G. McDonald whose telephone number is 571-272-1340. The examiner can normally be reached on M- Th with Every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nam X. Nguyen can be reached on 571-272-1342. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Rodney G. McDonald Primary Examiner Art Unit 1753

RM April 15, 2004